

CSRT Rapid Response Return to Practice Toolkit – Oxygen Therapy

Resources (Basic Review):

- Oxygen Therapy Clinical Best Practice Guideline, College of Respiratory Therapists of Ontario (PDF): <u>Click here</u>
- Oxygen Therapy Devices (video): <u>Click here</u>

Duration of flow (minutes) = <u>Pressure in cylinder (psig) x cylinder factor</u>				
		Flow (lpm)		
Cylinder factors:	H and K size	3.14		
	G size	2.41		
	M size	1.56		
	E size	0.28		

Device	Flow rate (Ipm)	Approximate FiO ₂ *
Nasal cannula	1	0.24
Nasal cannula	2	0.28
Nasal cannula	3	0.32
Nasal cannula	4	0.36
Nasal cannula	5	0.40
Nasal cannula	6	0.44
Non-	10-15 (keep	0.60-0.80 (can
rebreather	reservoir bag from collapsing on inspiration)	theoretically provide 100%)

Adult Oxygen Therapy – High flow (Venturi) devices

Device	Flow rate (lpm)	FiO ₂ *
"Venti-mask";	As	0.24-0.50
"Entrainment	indicated	
mask"	on FiO ₂	
	adapter	
¥		

*Assuming device is set as indicated on the device

The CSRT Rapid Response Refresher Resource is intended to provide respiratory therapists with review materials. For information specific to the management of Coronavirus disease, please refer to the CSRT COVID-19 resource page: <u>https://www.csrt.com/csrt-novel-coronavirus-resources/</u>.